

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/564,849
Source: IFWP
Date Processed by STIC: 1/30/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/564,849

TIME: 15:02:56

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

3 <110> APPLICANT: Mondobiotech Laboratories Anstalt
 5 <120> TITLE OF INVENTION: Substances with the same biological activity as Vasoactive
 6 Intestinal Peptide for treating interstitial lung infections
 8 <130> FILE REFERENCE: ARTHP116US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/564,849
 C--> 10 <141> CURRENT FILING DATE: 2006-01-13
 10 <150> PRIOR APPLICATION NUMBER: CH 01229/03
 11 <151> PRIOR FILING DATE: 2003-07-14
 13 <160> NUMBER OF SEQ ID NOS: 14
 15 <170> SOFTWARE: PatentIn version 3.3
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 28
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Homo sapiens
 22 <400> SEQUENCE: 1
 24 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
 25 1 5 10 15
 28 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
 29 20 25
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 38
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Homo sapiens
 37 <400> SEQUENCE: 2
 39 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
 40 1 5 10 15
 43 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
 44 20 25 30
 47 Gln Arg Val Lys Asn Lys
 48 35
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 27
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Homo sapiens
 56 <400> SEQUENCE: 3
 58 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
 59 1 5 10 15
 62 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
 63 20 25
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 10
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Homo sapiens

pp 2-4

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/564,849

TIME: 15:02:57

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

71 <400> SEQUENCE: 4
73 Arg Lys Gln Met Ala Val Lys Lys Tyr Leu
74 1 5 10
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 23
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
83 <220> FEATURE:
84 <221> NAME/KEY: MISC_FEATURE
85 <222> LOCATION: (4)..(8)
86 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
88 <400> SEQUENCE: 5
W--> 90 Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln Met Ala Val Lys Lys
91 1 5 10 15
94 Tyr Leu Asn Ser Ile Leu Asn
95 20
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 23
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 6
105 Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys
106 1 5 10 15
109 Tyr Leu Asn Ser Ile Leu Asn
110 20
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 18
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 7
120 Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
121 1 5 10 15
124 Tyr Leu
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 23
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
134 <220> FEATURE:
135 <221> NAME/KEY: MISC_FEATURE
136 <222> LOCATION: (4)..(5)
137 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
139 <220> FEATURE:
140 <221> NAME/KEY: MISC_FEATURE
141 <222> LOCATION: (9)..(13)
142 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
144 <400> SEQUENCE: 8
W--> 146 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln
147 1 5 10 15
150 Met Ala Val Lys Lys Tyr Leu

occuring
occuring
same lvn

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/564,849

TIME: 15:02:57

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

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151          20
154 <210> SEQ ID NO: 9
155 <211> LENGTH: 23
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
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162 1          5          10          15
165 Met Ala Val Lys Lys Tyr Leu
166          20
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 23
171 <212> TYPE: PRT
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 10
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177 1          5          10          15
180 Met Ala Val Lys Lys Tyr Leu
181          20
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 28
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapiens
190 <220> FEATURE:
191 <221> NAME/KEY: MISC_FEATURE
192 <222> LOCATION: (4)..(5)
193 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
195 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (9)..(13)
198 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue
200 <220> FEATURE:
201 <221> NAME/KEY: MISC_FEATURE
202 <222> LOCATION: (24)..(28)
203 <223> OTHER INFORMATION: X at positions 24 - 27 may be any naturally occurring amino
acid
204 residue: X at position 28 may be H or any naturally occurring
205 amino acid residue
207 <400> SEQUENCE: 11
W--> 209 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln
210 1          5          10          15
213 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa
214          20          25
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 38
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
223 <220> FEATURE:
224 <221> NAME/KEY: MISC_FEATURE
225 <222> LOCATION: (4)..(5)

```

Xaa can
 only
 represent a
 single amino
 acid,
 nothing else

RAW SEQUENCE LISTING

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TIME: 15:02:57

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

226 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue

228 <220> FEATURE:

229 <221> NAME/KEY: MISC_FEATURE

230 <222> LOCATION: (9)..(13)

231 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue

233 <220> FEATURE:

234 <221> NAME/KEY: MISC_FEATURE

235 <222> LOCATION: (24)..(38)

236 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue

238 <400> SEQUENCE: 12

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241 1 5 10 15

244 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

245 20 25 30

248 Xaa Xaa Xaa Xaa Xaa Xaa

249 35

252 <210> SEQ ID NO: 13

253 <211> LENGTH: 3

254 <212> TYPE: PRT

255 <213> ORGANISM: Homo sapiens

257 <400> SEQUENCE: 13

259 Phe Thr Asp

260 1

263 <210> SEQ ID NO: 14

264 <211> LENGTH: 3

265 <212> TYPE: PRT

266 <213> ORGANISM: Homo sapiens

268 <400> SEQUENCE: 14

270 His Ser Asp

271 1

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/564,849

DATE: 01/30/2006
TIME: 15:02:58

Input Set : A:\ARTHP116US.txt
Output Set: N:\CRF4\01302006\J564849.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. ~~4,5,6,7,8~~

Seq#:8; Xaa Pos. ~~4,5,9,10,11,12,13~~

Seq#:11; Xaa Pos. ~~4,5,9,10,11,12,13,24,25,26,27,28~~

Seq#:12; Xaa Pos. ~~4,5,9,10,11,12,13,24,25,26,27,28,29,30,31,32,33,34,35,36~~

Seq#:12; Xaa Pos. ~~37,38~~

VERIFICATION SUMMARY

DATE: 01/30/2006

PATENT APPLICATION: US/10/564,849

TIME: 15:02:58

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
M:341 Repeated in SeqNo=12